

ABSTRACT OF THE DISCLOSURE

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In an internal combustion engine diagnosis apparatus comprising a cleanup catalyst arranged on an exhaust pipe of an internal combustion engine and an HC adsorption catalyst arranged downstream of and in parallel to the cleanup catalyst, degradation and failure of the HC adsorption catalyst is accurately diagnosed.

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The internal combustion engine diagnosis apparatus comprising the cleanup catalyst arranged in the exhaust pipe of the internal combustion engine; and the HC adsorption catalyst arranged in parallel to and downstream of the cleanup catalyst, during high temperature period the HC adsorption catalyst desorbing and cleaning up HC desorbed during low temperature period, wherein degradation of the HC adsorption catalyst is diagnosed based on a gradient of temperature of the HC adsorption catalyst during a period when temperature of the HC adsorption catalyst is within a range of 50°C to 250°C.